

ENVIRONMENTAL MONITORING DIVISION
BIOLOGY SECTION - MICROBIOLOGY UNIT

HTP 1-MILE OUTFALL
SOPER

Sample Date: November 17, 2021

Location	Sample Time	Total Coliforms MPN/100mL	<i>E. coli</i> MPN/100mL	Enterococcus MPN/100mL	Total Residual Chlorine mg/L
A2-1	10:15	41	<10	<10	0.06
A2-2	10:15	20	<10	<10	0.05
A2-1 (50m Upcoast)	10:30	30	<10	<10	0.07
A2-2 (50m Upcoast)	10:30	<10	<10	<10	0.06
A2-1 (50m Downcoast)	10:34	20	<10	<10	0.07
A2-2 (50m Downcoast)	10:34	<10	<10	<10	0.07

1= Surface

2= Depth

Note: Depth samples were collected 2 meters above the bottom.

Note: Samples analyzed by Standards Methods SM9223B and SM9230D (APHA 2012)

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Sample Date: November 18, 2021

Location	Sample Time	Total Coliforms MPN/100mL	<i>E. coli</i> MPN/100mL	Enterococcus MPN/100mL
A2-1	11:49	<10	<10	<10
A2-2	11:49	<10	<10	<10
A2-1 (50m Upcoast)	11:58	<10	<10	<10
A2-2 (50m Upcoast)	11:58	<10	<10	<10
A2-1 (50m Downcoast)	11:53	10	<10	<10
A2-2 (50m Downcoast)	11:53	<10	<10	<10

* Total Chlorine was measured 90 min after sampling

1= Surface

2= Depth

Note: Depth samples were collected 2 meters above the bottom.

Note: Samples analyzed by Standard Methods SM9223B and SM9230D; Total Chlorine Residual SM4500Cl-G : DPD Colorimetric method (APHA 2012).

Total Residual
Chlorine *

mg/L

0.01

0.01

0.01

0.01

0.04

0.01

1-Mile Effluent Results during 1-Mile Gate Exercises on 11/17/2021 and 11/18/2021

Analysis		One-Mile Gate Exercise Sampled 11/17/2021	One-Mile Gate Exercise Sampled 11/18/2021	Instantaneous Maximum Effluent Limitations
	Units	Results	Results	
Oil and Grease	mg/L	<5	<5	75
Turbidity	NTU	13	19	225
Ammonia	mg/L	36.4	35.9	84
Copper	ug/L	184	178	160
Settleable Solids	mL/L	0.2	0.5	3.0
pH*	pH units	7	6.9	

* = pH Limit is 6 (instantaneous minium); 9.0 (instantaneous Maximum)